

In the Claims

Claims 1-15 (Cancelled)

16. (Currently Amended) The fixture according to claim 39, wherein
- 2 said ~~anchoring portion~~ includes a screw-threaded part which functions to anchor the
- fixture when screwed into bone material and wherein said flared part has a rotationally
- 4 symmetrical outer contour around the center axis defined by said screw-threaded part.

Claims 17-18 (Cancelled)

19. (Previously Presented) The fixture according to claim 39, wherein
- 2 said truncated cone has a cone angle of 5°-12°.

Claim 20 (Cancelled)

21. (Previously Presented) The fixture according to claim 39, wherein
- 2 said truncated cone has a cone angle of 7°-9°.

Claims 22-29 (Cancelled)

30. (Previously Presented) The fixture according to claim 39, wherein
- 2 said slot angle α is 20°-40°, at the axially and radially outer end of respective slots.

31. (Previously Presented) The fixture according to claim 41, wherein
2 said slot angle α is 20°-40°, at the axially and radially outer end of respective slots.

Claim 32 (Cancelled)

33. (Previously Presented) The fixture according to claim 39, wherein
2 said slot angle α is 27°-33°, at the axially and radially outer end of respective slots.

34. (Previously Presented) The fixture according to claim 41, wherein
2 said slot angle α is 27°-33°, at the axially and radially outer end of respective slots.

35. (Previously Presented) The fixture according to claim 39, wherein
2 said outer wall has a thickness of 0.3-1.0 mm.

36. (Previously Presented) The fixture according to claim 39, wherein
2 said outer wall has a thickness of 0.5-0.7 mm.

37. (Previously Presented) The fixture according to claim 39, wherein
2 said fixture is made of titanium.

Claim 38 (Cancelled)

39. (Currently Amended) A fixture for anchorage in bone tissue, said

2 fixture comprising:

a fixture anchoring portion and an application portion shaped and configured for
4 connection with a prosthesis, said anchoring portion including a screw-threaded part,
wherein the application portion has an outer end and an end connected with said
6 anchoring portion, said application portion being formed with a flared part whose outer
dimensions widen from said end connected to said anchoring portion in a direction
8 toward the outer end of said application portion, wherein said flared part is elastically
resilient transversely to the longitudinal direction of said fixture;

10 wherein said flared part has the form of a truncated cone and is formed by an
outer wall that surrounds a cavity which is open toward the outer end of said application
12 portion;

wherein said outer wall is provided with through-penetrating slots which extend
14 from said outer end of said application portion and which connect the cavity with the
outside of said outer wall, wherein each said slot defines an angle α with the radial
16 direction of the truncated cone; and

wherein said slots slope rearwardly from the cavity to the outside of said outer
18 wall in relation to the direction in which said fixture is rotated when screwing in said
fixture, this direction being defined by said screw-threaded part.

40. (Currently Amended) A fixture for anchorage in bone tissue, said

2 fixture comprising:

a fixture anchoring portion and an application portion shaped and configured for connection with a prosthesis, said anchoring portion including a screw-threaded part, wherein the application portion has an outer end and an end connected with said anchoring portion, said application portion being formed with a flared part whose outer dimensions widen from said end connected to said anchoring portion in a direction toward the outer end of said application portion, wherein said flared part is elastically resilient transversely to the longitudinal direction of said fixture;

wherein said flared part has the form of a truncated cone having a cone angle of 5°-12°, said flared part being formed by an outer wall that surrounds a cavity which is open toward the outer end of said application portion;

wherein said outer wall is provided with through-penetrating slots which extend from said outer end of said application portion and which connect the cavity with the outside of said outer wall, wherein each said slot defines an angle α with the radial direction of the truncated cone; and

wherein said slots slope rearwardly from the cavity to the outside of said outer wall in relation to the direction in which said fixture is rotated when screwing in said fixture, this direction being defined by said screw-threaded part.

41. (Currently Amended) A fixture for anchorage in bone tissue, said fixture comprising:

a fixture anchoring portion and an application portion shaped and configured for connection with a prosthesis, said anchoring portion including a screw-threaded part, wherein the application portion has an outer end and an end connected with said

6 anchoring portion, said application portion being formed with a flared part whose outer
dimensions widen from said end connected to said anchoring portion in a direction
8 toward the outer end of said application portion, wherein said flared part is elastically
resilient transversely to the longitudinal direction of said fixture;

10 wherein said flared part has the form of a truncated cone and is formed by an
outer wall that surrounds a cavity which is open toward the outer end of said application
12 portion;

wherein said outer wall is provided with through-penetrating slots which extend
14 from said outer end of said application portion and which connect the cavity with the
outside of said outer wall, wherein each said slot defines an angle α with the radial
16 direction of the truncated cone; and

wherein said slots slope forwardly from the cavity to the outside of said outer wall
18 in relation to the direction in which the fixture is turned when screwing in the fixture,
said direction being defined by the screw-threaded part.

42. (Currently Amended) A fixture for anchorage in bone tissue, said

2 fixture comprising:

a fixture anchoring portion and an application portion shaped and configured for
4 connection with a prosthesis, said anchoring portion including a screw-threaded part,
wherein the application portion has an outer end and an end connected with said
6 anchoring portion, said application portion being formed with a flared part whose outer
dimensions widen from said end connected to said anchoring portion in a direction

8 toward the outer end of said application portion, wherein said flared part is elastically resilient transversely to the longitudinal direction of said fixture;

10 wherein said flared part has the form of a truncated cone and having a cone angle of 5°-12°, said flared part being formed by an outer wall that surrounds a cavity which is
12 open toward the outer end of said application portion;

wherein said outer wall is provided with through-penetrating slots which extend
14 from said outer end of said application portion and which connect the cavity with the outside of said outer wall, wherein each said slot defines an angle α with the radial
16 direction of the truncated cone; and

wherein said slots slope forwardly from the cavity to the outside of said outer wall
18 in relation to the direction in which the fixture is turned when screwing in the fixture, said direction being defined by the screw-threaded part.

Claim 43 (Cancelled)